BRUHATH BENGALURU MAHANAGARA PALIKE

# PMC REPORT

Name of Work: Restoration and Improvements of roads at Hesaraghatta main road, G - Ramaiah layout, Sai Archade layout, Vijaya Bank Layout, Adityanagara Phase-02 and surrounding areas in Ward No.03 of Yelahanka New town Sub Division (Package No-09), BBMP, Bangalore.

# CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

**An ISO 9001-2015 Certified Company**
**NABL Accredited As Per ISO/IEC 17025:2017 Laboratory**


E: CACE/BBMP/EE/DIV/YLK/PMC/01/2021-22

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| ame of Client | : | **Executive Engineer,** Yelahanka Division, BBMP, Bangalore. |
| ontractor/Agency | : | **Sri. K Venkataraju,** Contractor, Bangalore. |
| stimate Cost | : | Rs. 11.50 Cr. |
| ate of Inspection | : | 10.05.2022 |
| tatus of Bill | : | 2nd and Part |
| n the Presence of | : | (a) **Assistant Engineer (ward No.03),** BBMP, Bangalore. |
| | : | (b) **Mr. Prajwal,** Engineer M/s. Civil Aim Consultants & Engineers, Bangalore |

| il.No | Description of the Item | | Comments / observations |
|---|---|---|---|
| 1 | KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (Page No.143 & Item No-19.2 ) | : | Work done up to the billed quantity and Quality is satisfactory |

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maiah Layout, N[illegible] Banashankari, Bangalore - 560 073.
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| .No | Description of the Item | | Comments / observations |
|---|---|---|---|
| 3 | KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical meanse including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. MORTH Specification No.301 (Page No.143 & Item No 19.14 SR2018-19) | : | Work done up to the billed quantity and Quality is satisfactory |
| 4 | KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.Specification | : | Work done up to the billed quantity and Quality is satisfactory |
| 5 | Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, | : | Work done up to the billed quantity and Quality is satisfactory |
| 6 | KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.21 | : | Work done up to the billed quantity and Quality is satisfactory |

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| No | Description of the Item | | Comments / observations |
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| 7 | KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, | : | Work done up to the billed quantity and Quality is satisfactory |
| 8 | KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 TMT | : | Work done up to the billed quantity and Quality is satisfactory |
| 11 | KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications | : | Work done up to the billed quantity and Quality is satisfactory |
| 15 | Supply and fixing Precast reinforced concrete slab 23cm thick including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials. | : | Work done up to the billed quantity and Quality is satisfactory |

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| No | Description of the Item | | Comments / observations |
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| 8 | KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / | : | Work done up to the billed quantity and Quality is satisfactory |
| 21 | Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/ basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting | : | Work done up to the billed quantity and Quality is satisfactory |
| 22 | KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared | : | Work done up to the billed quantity and Quality is satisfactory |
| 23 | KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6), Issue rate on | : | Work done up to the billed quantity and Quality is satisfactory |

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| Sl.No | Description of the Item | | Comments / observations |
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| 24 | KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 | : | Work done up to the billed quantity and Quality is satisfactory |
| 25 | KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-158,I No-21.7)Issue rate on | : | Work done up to the billed quantity and Quality is satisfactory |
| 26 | KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. | : | Work done up to the billed quantity and Quality is satisfactory |
| 29 | KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as | : | Work done up to the billed quantity and Quality is satisfactory |

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

CIVIL AIM CONSULTANTS & ENGINEERS